

10/526556

Application No

PCT/GB 03/03843

INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L31/09 H01L31/0224 H01L31/18 H01L33/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 696 648 A (SLAYMAN CHARLES W ET AL) 29 September 1987 (1987-09-29) the whole document	1-4, 9, 14, 15, 17, 18, 21-24
X	US 5 028 971 A (KIM ANDERSON H ET AL) 2 July 1991 (1991-07-02) column 1, line 11 - line 16 column 3, line 46 - column 4, line 50 claim 1	1, 17, 18, 20
A	figures 1, 2 -/--	23, 24



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

14 November 2003

Date of mailing of the international search report

20/01/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 14, 22 December 1999 (1999-12-22) & JP 11 243217 A (NEC CORP), 7 September 1999 (1999-09-07) abstract	1, 19
A	US 5 894 125 A (BRENER IGAL M ET AL) 13 April 1999 (1999-04-13) column 1, line 1 - line 8 column 3, line 40 - column 6, line 30	1, 15, 17-23
A	MATSUURA S ET AL: "GENERATION OF COHERENT TERAHERTZ RADIATION BY PHOTOMIXING IN DIPOLEPHOTOCONDUCTIVE ANTENNAS" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 70, no. 5, 3 February 1997 (1997-02-03), pages 559-561, XP000685259 ISSN: 0003-6951 page 559	1, 13, 15, 17, 19, 20
A	US 5 351 063 A (KIM ANDERSON H ET AL) 27 September 1994 (1994-09-27) column 1, line 1 - column 3, line 46	1, 17-20
A	EP 0 606 776 A (HITACHI EUROP LTD) 20 July 1994 (1994-07-20) abstract figures 1-6	1, 17, 19-22
A	JIANG H ET AL: "GaN metal-semiconductor-metal UV photodetector with recessed electrodes" JPN. J. APPL. PHYS., vol. 41, no. 1A-B, 2002, pages 134-136, XP002261533 cited in the application the whole document	1-3, 14, 15, 19, 21-23

Information on patent family members

Application No
PCT/GB 03/03843

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